

**THOMSON LICENSING SA****Active-matrix image display device.****ABSTRACT**

The invention relates to an active-matrix image display device that comprises an array of light emitters. Each light emitter ( $E_{in}$ ,  $E_{im}$ ) is controlled by a current modulator ( $M_{im}$ ) having a particular trip threshold voltage ( $V_{th}$ ). The device also includes compensation means ( $A_{in}$ ,  $A_{jn}$ , 11, 21) for compensating for the trip threshold voltage ( $V_{th}$ ) of the modulators ( $M_{im}$ ).

These compensation means comprise at least one operational amplifier ( $A_{in}$ , 11, 21) connected between the gate electrode and the source electrode of the modulator. The feedback of this operational amplifier compensates for the trip threshold voltage ( $V_{th}$ ) of at least one modulator ( $M_{im}$ ) whatever the value of the said voltage.

Figure 5

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